



# Weather Briefing

## February 12, 2015



**National Weather Service**  
**Detroit/Pontiac, MI**

<http://www.weather.gov/dtx>

Email: [w-dtx.webmaster@noaa.gov](mailto:w-dtx.webmaster@noaa.gov)



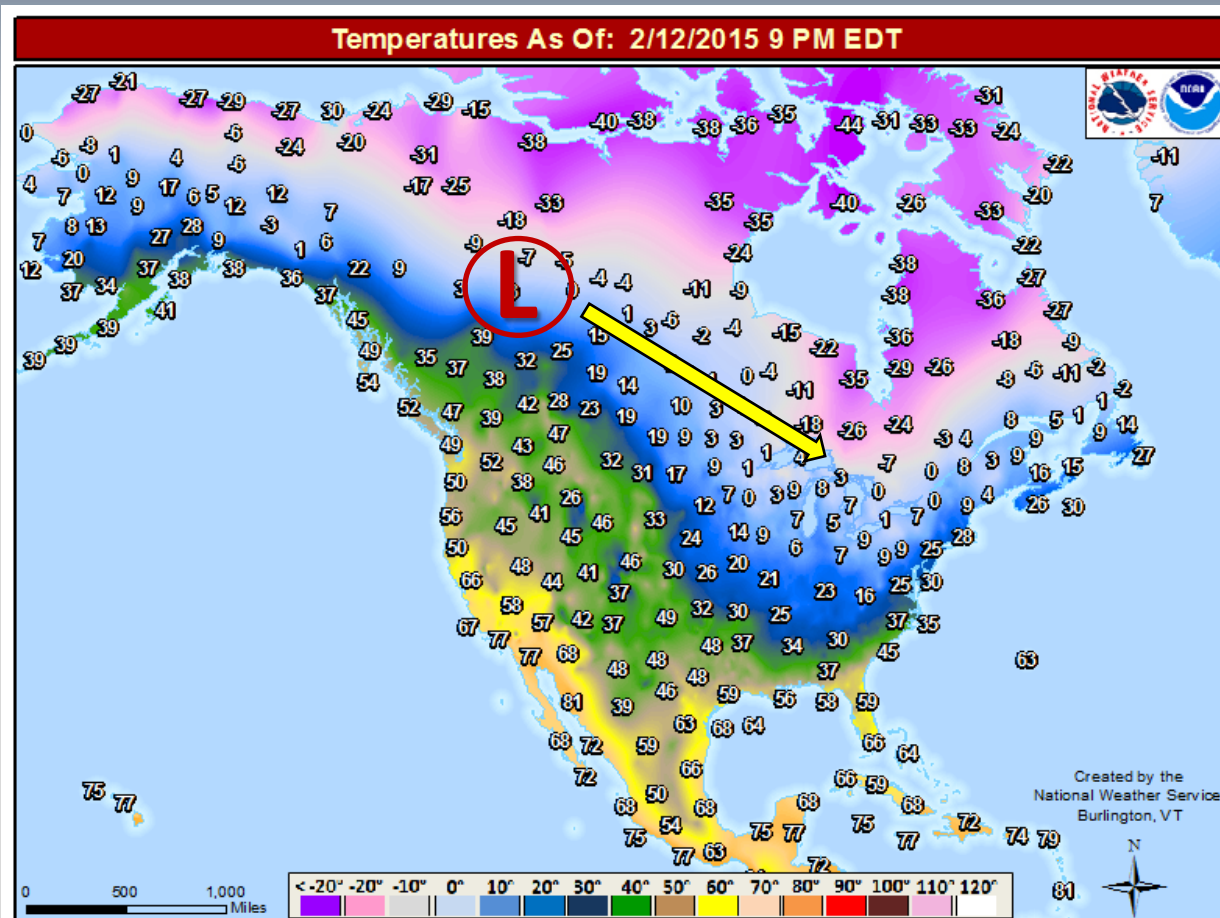
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# Weather Briefing

## Even Colder Air to Arrive By The Weekend



**Another surge of arctic air arrives early Saturday.**

**Stronger surge of arctic air will bring prolonged, dangerous cold for the weekend. Cold air may lead to frostbite, hypothermia, and freezing/bursting of exposed pipes.**



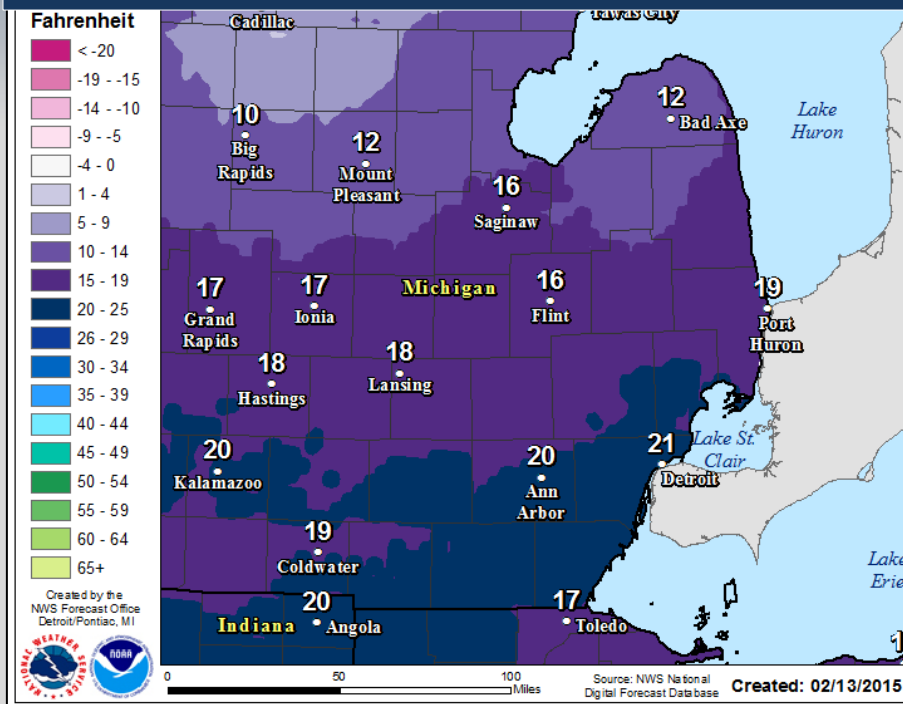


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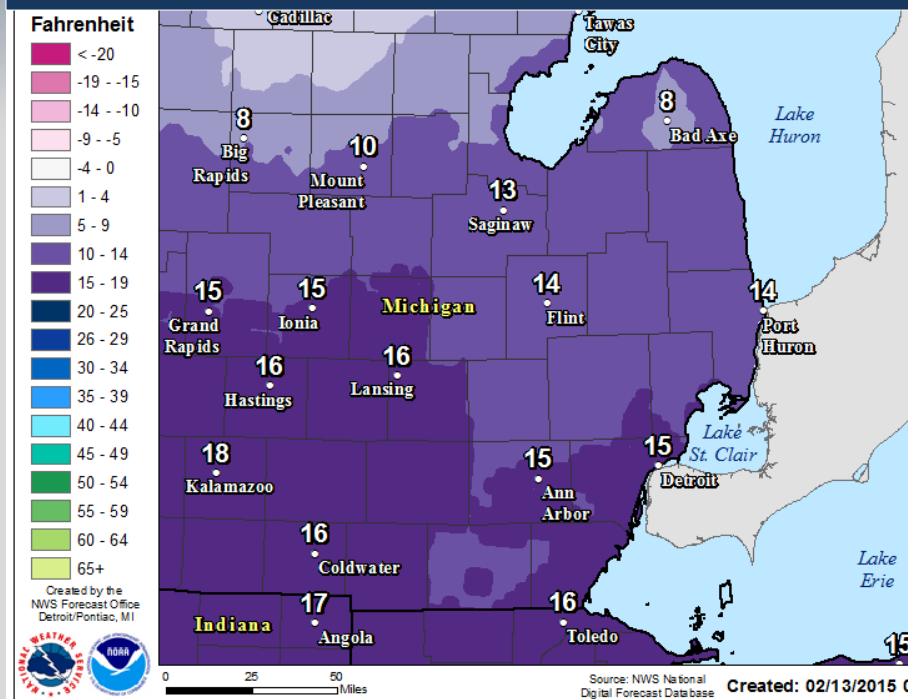
## Not As Cold Friday with Light Snow Overnight



### Actual High Temperatures Friday



### Actual Low Temperatures Friday Night



Not quite as cold, but still well below normal Friday and Friday Night

- Wind chills: Warming into the single digits Friday
- Winds: 10 to 15 mph

Snow Friday Night through Saturday Morning

- Around one inch of accumulation for all of Southeast Michigan



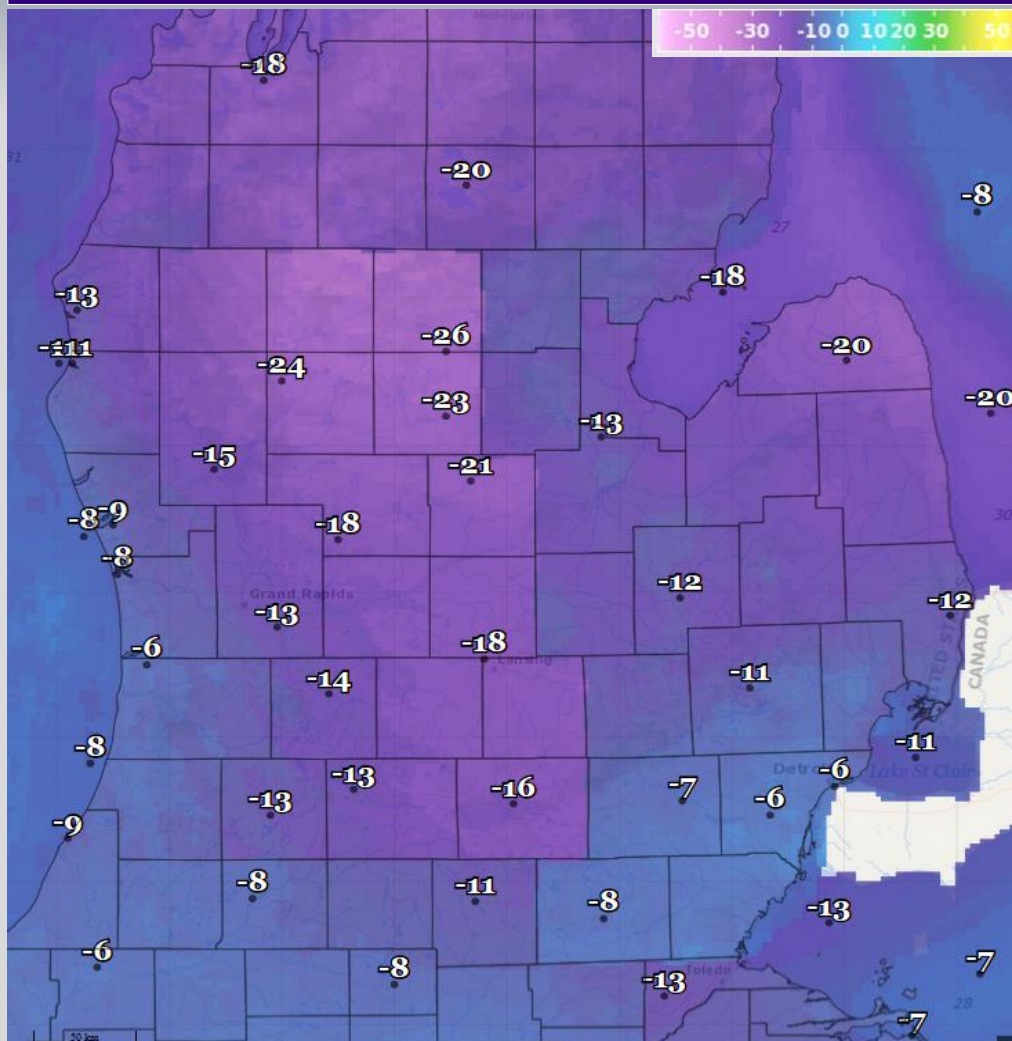


# Weather Briefing

## Strong Winds and Falling Temperatures Saturday



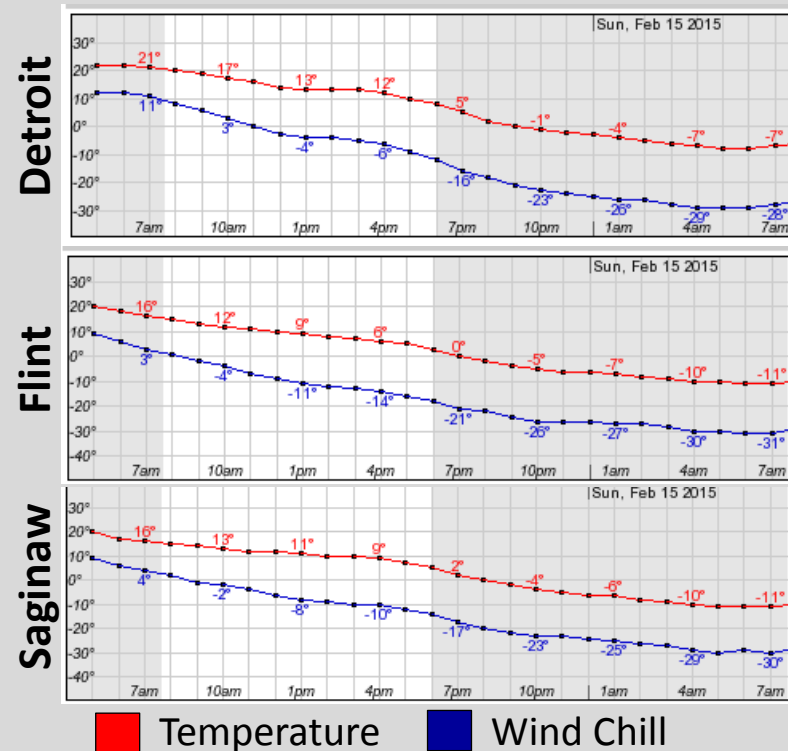
### Wind Chills by 400 PM Saturday



## STRONG WINDS DEVELOPING SATURDAY

Gusts potentially reaching 40 to 45 mph

Temperature and Wind Chill Trends Saturday:



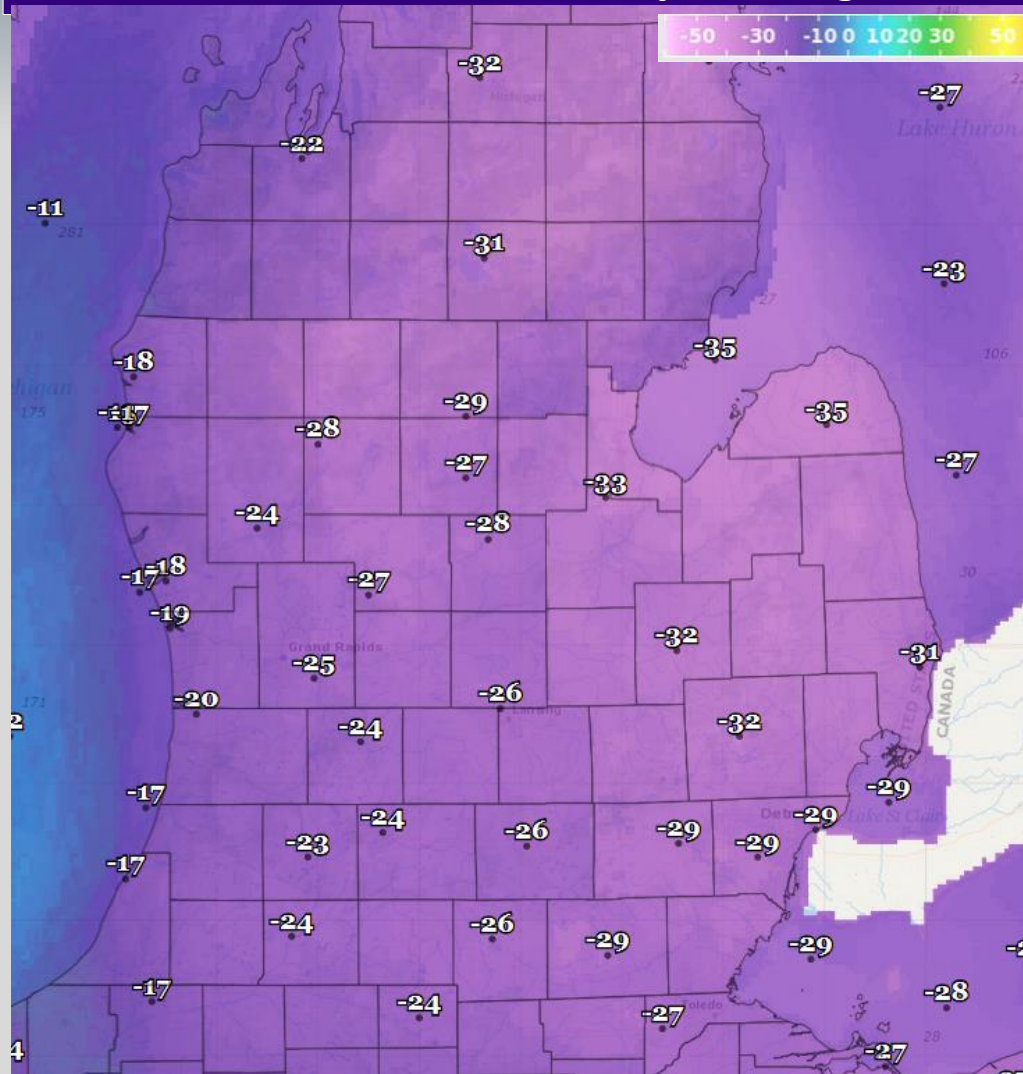


# Weather Briefing

## Dangerous Cold Continues Through Early Monday



### Wind Chills 7 AM Sunday Morning



### Dangerous Wind Chills for all of Southeast Michigan:

Saturday Night: -20 to -40

Sunday: Warming to -10 to -20 late in the day.

Sunday Night: -15 to -25

**Additional Wind Chill Advisories or Watches/Warnings Likely.**

		Temperature (°F)														
Wind (mph)	Calm	40	35	30	25	20	15	10	5	0	-5	-10	-15	-20	-25	
	5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34	-40	
	10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41	-47	
	15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45	-51	
	20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48	-55	
	25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51	-58	
	30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53	-60	
	35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55	-62	
	40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57	-64	
Frostbite Times		30 minutes			10 minutes			5 minutes								



# Weather Briefing

## Records for Southeast Michigan



### Detroit Area

#### Record Lows

February 15: -10 (1875)

February 16: -9 (1904)

#### Record Low Max Temp (Coldest High)

February 15: 6 (1905)

\*Records since 1874

### Flint Area

#### Record Lows

February 15: -7 (1943)

February 16: -13 (1963)

#### Record Low Max Temp (Coldest High)

February 15: 11 (1963)

\*Records since 1921

### Tri-Cities Area

#### Record Lows

February 15: -7 (2004)

February 16: -12 (1979)

#### Record Low Max Temp (Coldest High)

February 15: 8 (1920)

\*Records since 1912



# Weather Briefing Summary



What	Where	Timing	Impacts
<b>Dangerous Cold</b> Wind chills -10 to -25	Thumb region	Through Friday Morning	Frost Bite Hypothermia Freezing of Exposed Pipes
<b>Snow</b> Around one inch	All of Southeast Michigan	Friday Night through Early Saturday	Slippery Roads Reduced Visibilities
<b>Winds</b> 20-25 mph with gusts possibly as high as 45 mph	All of Southeast Michigan	Saturday Afternoon and Evening	Dangerous Wind Chills Isolated Power Outages Downed Tree Limbs More Difficult Driving
<b>Dangerous Cold</b> Wind Chills -20 to -40	All of Southeast Michigan	Saturday Night into Sunday	Frost Bite in as little as 10 minutes Hypothermia Freezing of Exposed Pipes





# Additional Information



## Local Hazards Page

<http://www.weather.gov/detroit/svr.php>

## Great Lakes Marine Portal

<http://www.weather.gov/greatlakes>

## Hourly Wind / Gust Probabilities

<http://www.crh.noaa.gov/dtx/?n=pwind>

<http://www.crh.noaa.gov/dtx/?n=pgust>

## Hourly Snowfall Probabilities

<http://www.crh.noaa.gov/dtx/?n=hourlysnowprobabilities>

## NWS Detroit/Pontiac, MI

<http://www.weather.gov/dtx>

Email: [w-dtx.webmaster@noaa.gov](mailto:w-dtx.webmaster@noaa.gov)



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